

Nonlinear and Adjustable Bushings

Abstract

A bushing for connecting mechanical components while providing a limited mobility between them has rubber elastic elements of streamlined shapes (cylinder, sphere, torus, etc.) thus having nonlinear load deflection characteristics in several coordinate directions and provides for adjustability of stiffness constants in various directions if adjusting means are built in.

1. The present invention relates to a bushing for connecting mechanical components while providing a limited mobility between them. The bushing has rubber elastic elements of streamlined shapes (cylinder, sphere, torus, etc.) thus having nonlinear load deflection characteristics in several coordinate directions and provides for adjustability of stiffness constants in various directions if adjusting means are built in.